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DPS 2923
1-1

25 July 1958

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Dear Dick:

We are forwarding herewith Progress Letter Number 20 covering work performed in connection with System No. 4 during the period extending from 1 June 1958 to 1 July 1958.

Sincerely,

Burt

Burt

BFM
bqm

Enclosures:
CMCC Doc. 163X5.83
Copies 1 through 8

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Encl # 1
DPS 2923
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Progress Letter No. 20

Contract No. A-101

System 4

1 June 1958 to 1 July 1958

CMCC Document No. 163X5.83

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25 July 1958

(This document contains a total of 3 sheets,
including this title sheet.)

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1. General

During the period covered by this progress letter:

(1) Serial 104 was sent to the field and readied for the flight test program.

(2) Essentially all units of Serial 105 were completed and most of the major units were subject to environmental testing.

(3) Serial 102 of the system test set was completed.

2. Serial 104

a. The difficulties observed in several of the units in Serial 104 during the process of system environmental testing and as reported in the last progress letter were satisfactorily remedied and the system was shipped to the field.

b. A new film advance mechanism for the camera, utilizing portions of the forthcoming production magazine, was tested in the laboratory and incorporated in Serial 104 in the field.

c. By the close of this period no actual flight tests had been performed on this system.

3. Serial 105

By the end of this reporting period the majority of the receivers had been successfully through unit environmental tests. Minor failures were observed in the programming equipment, the camera/indicator equipment, and the system power supply. Corrective action has been instituted. The Band 1 receiver is still undergoing bench tests.

4. Serial 101A

After receiving customer authorization, modernization of the Band 1 receiving equipment and the video recording

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equipment for Serial 101 was undertaken. The units are in varying stages of construction and laboratory tests.

5. Serial 102 - System Test Set

Laboratory testing and evaluation of the final system test set was completed. It is now available for use in conjunction with laboratory system tests and flight tests and the customer has agreed that this test set will be retained for these purposes until the System 4 production program is completed.

6. Planning

During the forthcoming period it is expected that:

- (1) Flight tests and evaluations of Serial 104 will be completed and delivery made to the customer.
- (2) Unit environmental tests of Serial 105 will be completed and system environmental tests will be undertaken, if authorized by the customer.
- (3) Laboratory and unit environmental tests of Serial 101A units will be essentially completed.

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